What is claimed:

1. A laminate with gas barrier properties, characterized in having at least a (I) paper layer, a (II) gas barrier layer, and an (III) epoxy-group-containing resin composition layer, which includes a polyolefin (a) having a melt flow rate of 0.1~100 g/10 min and an epoxy-compound (b) having two or more epoxy groups in the molecule and a molecular weight of 3000 or less, epoxy-compound (b) being added in an amount of 0.01~5 parts by weight with respect to 100 parts by weight of polyolefin (a); wherein a treated surface, in which the melted resin film of said (III) epoxy-group-containing resin composition is surface treated to a degree of oxidation in the range of 0.05~1.0, is laminated to said (II) gas barrier layer's surface which was not treated with an anchor coat agent.

2. A laminate with gas barrier properties according to claim 1, characterized in that said (II) gas barrier layer consists of one of either an inorganic vapor deposited synthetic resin layer or a metal foil.

3. A laminate with gas barrier properties according to claim 1, wherein said polyolefin (a) is a non-polar polyolefin.

4. A laminate with gas barrier properties according to claim 1, characterized in that said epoxy-compound (b) is an epoxidized plant oil.

5. A laminate with gas barrier properties according to claim 1, characterized in that said (III) epoxy-group-containing resin composition layer contains said polyolefin(a), said epoxy-compound (b), and an olefin polymer(c) having functional groups that react with epoxy groups, wherein the amount of olefin polymer(c) is 30 wt% or less with respect to the total weight of polyolefin (a) and olefin polymer (c), and epoxy-compound (b) is added in an amount of 0.01~5 parts by weight with respect to a total 100 parts by weight of polyolefin (a) and an olefin polymer (c).

6. A laminate with gas barrier properties according to claim 5, characterized in that said olefin polymer (c) is a modified olefin polymer or olefin-copolymer having at least one group selected from the group comprising acid anhydride group, carboxyl group, and carboxylic acid metal salts in the molecules.

7. A laminate with gas barrier properties according to claim 6, characterized in that said olefin polymer (c) is an ethylene-maleic anhydride copolymer or an ethylene-maleic anhydride-(meth)acrylate copolymer.

8. A laminate with gas barrier properties according to claim 1, characterized in that a (IV) synthetic resin layer is also provided to said laminate.

9. A laminate with gas barrier properties according to claim 8, characterized in that said (IV) synthetic resin layer consists of a linear low-density polyethylene or an ethylene (co)polymer produced by a high-pressure radical polymerization method.

10. A laminate according to claim 1, characterized in that a (V) impact-resistant resin layer is also provided to said laminate.

11. A laminate according to claim 1, characterized in that a (VI) heat sealing layer is also provided to said laminate.

12. A paper container with gas barrier properties, said paper container consisting of a laminate with gas barrier properties that has at least a (I) paper layer, a (II) gas barrier layer, and an (III) epoxy-group-containing resin composition layer, said (III) epoxy-group-containing resin composition layer including a polyolefin (a) having a melt flow rate of 0.1~100 g/10 min and an epoxy-compound (b) having two or more epoxy groups in the molecule and a molecular weight of 3000 or less, epoxy-compound (b) being added in the amount of 0.01~5 parts by weight with respect to 100 parts by weight of polyolefin (a), wherein that said (II) gas barrier layer is adjacent to said (III) epoxy-group-containing resin composition layer; characterized in that:

said (I) paper layer is disposed further to the outside of the container than said (II) gas barrier layer and said (III) epoxy-group-containing resin composition layer.

13. A paper container with gas barrier properties according to claim 12, characterized in having a structure in which a (I) paper layer, at least one of a (IV) synthetic resin layer and (III) epoxy-group-containing resin composition layer, a (II) gas barrier layer, and at least one of a (IV) synthetic resin layer and (III) epoxy-group-containing resin composition layer are laminated in order from the outside of the container.

14. A paper container with gas barrier properties according to claim 12, characterized in that said laminate with gas barrier properties also has a (V) impact-resistant resin layer, and said (V) impact-resistant resin layer is disposed adjacent to said (III) epoxy-group-containing resin composition layer.

15. A paper container with gas barrier properties according to claim 12, characterized in that the container has a (IV) heat sealing layer as its outermost and/or innermost layer.

16. A paper container with gas barrier properties according to claim 12, characterized in that said laminate with gas barrier properties also has a (V) impact-resistant resin layer, and in that said paper container with gas barrier properties has a (IV) heat sealing layer as its innermost layer, and said (VI) heat sealing layer is laminated on to said (V) impact-resistant resin layer via said (III) epoxy-group-containing resin composition layer.

17. A production method for a laminate with gas barrier properties, said laminate having at least a (I) paper layer and a (II) gas barrier layer, wherein extrusion molding is used to form as the layer adjacent to said (II) gas barrier layer

a layer consisting of a first resin composition, that contains a polyolefin (a) having a melt flow rate of 0.1~100 g/10 min and an epoxy-compound (b) having two or more epoxy groups in the molecule and a molecular weight of 3000 or less, epoxy-compound (b) being added in the amount of 0.01~5 parts by weight with respect to 100 parts by weight of polyolefin (a); or

a layer consisting of a second resin composition, in which an olefin polymer(c) having functional groups that react with epoxy groups is further added to said first resin composition in the amount of 30 wt% or less with respect to the total weight of polyolefin (a) and olefin polymer (c).

18. A production method for a laminate with gas barrier properties according to claim 17, characterized in that said laminate has a structure in which a (I) paper layer, at least one of a (IV) synthetic resin layer and (III) epoxy-group-containing resin composition layer, and a (II) gas barrier layer, and at least one of a (IV) synthetic resin layer and (III) epoxy-group-containing resin composition layer are laminated in sequence.

19. A production method for a laminate with gas barrier properties according to claim 17, characterized in that said laminate has a (I) paper layer, (II) gas barrier layer, (III) epoxy-group-containing resin composition layer, and, as desired, at least one of a (IV) synthetic resin layer, (V) impact-resistant resin layer, and (VI) heat sealing layer; and in that said extrusion molding is extrusion laminating and/or extrusion sand laminating.

20. A production method for a laminate with gas barrier properties according to claim 17, characterized in that said extrusion molding is extrusion laminating and/or extrusion sand laminating; and in that, during said extrusion molding, a treated surface, in which the melted resin film of an epoxy-group-containing resin composition is subjected to a degree of oxidation in the range of 0.05~1.0 by surface treatment thereof, is laminated to the treated surface of a (II) gas barrier layer that was subjected in advance to in-line surface treatment.

21. A production method for a laminate with gas barrier properties according to claim 20, characterized in that said melted resin film surface treatment is an ozone treatment.